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Hedelin, P. and D. Huber, The CTH speech database: An integrated multi-level approach 9 (4) (1990) 365–374
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Hendriks, J.P.M., A formalism for speech database access 9 (4) (1990) 381–388
Hermansky, H., B.A. Hanson and H. Wakita, Low-dimensional representation of vowels based on all-pole modeling in the psychophysical domain 4 (1–3) (1985) 181–187
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Kiritani, S., X-ray microbeam method for measurement of articulatory dynamics-techniques and results 5 (2) (1986) 119–140
Klaassen-Don, L.E.O., and L.C.W. Pols, Dependency of processing of consonants and vowels in CV syllables 2 (2–3) (1983) 170–172
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Kleijn, W.B., D.J. Krasinski and R.H. Ketchum, An efficient stochastically excited linear predictive coding algorithm for high quality low bit rate transmission of speech 7 (3) (1988) 305–316
Klingholz, F., The measurement of the signal-to-noise ratio (SNR) in continuous speech 6 (1) (1987) 15– 26
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Kunzmann, S., T. Kuhn and H. Niemann, An experimental environment for the generation and verification of word hypotheses in continuous speech 7 (4) (1988) 381–388
Kurematsu, A., H. Iida, T. Morimoto and K. Shikano, Language processing in connection with speech translation at ATR Interpreting Telephony Research Laboratories 10 (1) (1991) 1– 9
Kurematsu, A., K. Takeda, Y. Sagisaka, S. Katagiri, H. Kuwabara and K. Shikano, ATR Japanese speech database as a tool of speech recognition and synthesis 9 (4) (1990) 357–363
Kuwabara, H., A pitch-synchronous analysis/synthesis system to independently modify formant frequencies and bandwidths for voiced speech 3 (3) (1984) 211–220
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Lauter, J.L. and I.J. Hirsh, Speech as temporal pattern: A psychoacoustical profile 4 (1–3) (1985) 41– 54
Laver, J., Editorial/Biography 10 (5–6) (1991) 431–433
Lazzari, V., R. Montagna and D. Sereno, Comparison of two speech codecs for DMR systems 7 (2) (1988) 193–207
Le Guyader, A., D. Massaloux and F. Zurcher, A robust and fast CELP coder at 16 kbit/s 7 (2) (1988) 217–226
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Lee, K.-F., On large-vocabulary speaker-independent continuous speech recognition 7 (4) (1988) 375–379
Lee, K.-F., H.-W. Hon, M.-Y. Hwang and X. Huang, Speech recognition using Hidden Markov Models: A CMU perspective 9 (5/6) (1990) 497–508
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Mariani, J., Reconnaissance phonétique par diphonèmes 2 (2–3) (1983) 203–206
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Martens, J.P. and L. Depuydt, Broad phonetic classification and segmentation of continuous speech by means of neural networks and dynamic programming 10 (1) (1991) 81– 90
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Meloni, H. et J. Guizol, Identification d'événements pseudo-phonétiques pour la reconnaissance automatique de la parole 2 (2–3) (1983) 211–214
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Millar, B. and J.E. Clark, Editorial/Biographies 6 (4) (1987) 283–284
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Monaghan, A.I.C. and D.R. Ladd, Symbolic output as the basis for evaluating intonation in text-to-speech systems 9 (4) (1990) 305–314
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Moulines, E. and F. Charpentier, Pitch-synchronous waveform processing techniques for text-to-speech synthesis using diphones 9 (5/6) (1990) 453–467
Moulines, E. and R. Di Francesco, Detection of the glottal closure by jumps in the statistical properties of the speech signal 9 (5/6) (1990) 401–418
Mrayati, M., R. Carré and B. Guerin, Distinctive regions and modes: A new theory of speech production 7 (3) (1988) 257–286
Mrayati, M., R. Carré and B. Guérin, Distinctive regions and modes: Articulatory-acoustic-phonetic aspects. A reply to Boë and Perrier's comments (Letter to the Editor) 9 (3) (1990) 231–238
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Néel, F., M. Eskenazi et J.J. Mariani, Cadrage automatique pour la constitution de dictionnaires d'entités phonétiques 2 (2–3) (1983) 193–195
Neilson, M.D. and P.D. Neilson, Speech motor control and stuttering: a computational model of adaptive sensory-motor processing 6 (4) (1987) 325–333
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Ney, H., Automatic speaker recognition using time alignment of spectrograms 1 (2) (1982) 135–149
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Nishinuma, Y., A. Di Cristo and R. Espesser, Loudness as a function of vowel duration in CV syllables 2 (2–3) (1983) 167–169
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Nishinuma, Y., D. Duez and C. Paboudjian, Automatic classification of consonant clusters in French 10 (4) (1991) 395–403
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Nord, L., A. Kruckenberg and G. Fant, Some timing studies of prose, poetry and music 9 (5/6) (1990) 477–483
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O'Shaughnessy, D., Design of a real-time French text-to-speech system 3 (3) (1984) 233–243
O'Shaughnessy, D., L. Barbeau, D. Bernardi and D. Archambault, Diphone speech synthesis 7 (1) (1988) 55– 65
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Paliwal, K.K., Performance of the weighted Burg methods of AR spectral estimation for pitch-synchronous analysis of voiced speech 3 (3) (1984) 221–231
Paliwal, K.K., A study of line spectrum pair frequencies for vowel recognition 8 (1) (1989) 27– 33
Paliwal, K.K. and A.I. Aarskog, A comparative performance evaluation of pitch estimation methods for TDHS/sub-band coding of speech 3 (3) (1984) 253–259
Paliwal, K.K. and P.V.S. Rao, A synthesis-based method for pitch extraction 2 (1) (1983) 37– 45
Paliwal, K.K., D. Lindsay and W.A. Ainsworth, A study of two-formant models for vowel identification 2 (4) (1983) 295–303
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Partalo, M. and Z. Sijerčić, Comparison of several speech signal feature parameters for automatic speech recognition 8 (4) (1989) 347–353

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Peckham, J., T. Thomas and E. Frangoulis, Recogniser sensitivity analysis: A method for assessing the performance of speech recognisers 9 (4) (1990) 317–327
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Peeling, S.M. and R.K. Moore, Isolated digit recognition experiments using the multi-layer perceptron 7 (4) (1988) 403–409
Peeling, S.M. and K.M. Ponting, Variable frame rate analysis in the ARM continuous speech recognition system 10 (2) (1991) 155–162
Perennou, G. et M. de Calmes, Specifications pour un système générateur de modèles de décodage phonétique 2 (2–3) (1983) 227–230
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Perkell, J.S., Coarticulation strategies: preliminary implications of a detailed analysis of lower lip protrusion movements 5 (1) (1986) 47– 68
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Pickett, J.M., Shadows, echoes and auditory analysis of speech 4 (1–3) (1985) 19– 30
Picone, J., Duration in context clustering for speech recognition 9 (2) (1990) 119–128
Picone, J., D.P. Prezas, W.T. Hartwell and J.L. LoCicero, Joint estimation of the LPC parameters and the multi-pulse excitation 5 (3,4) (1986) 253–260
Pieraccini, R., Speaker independent recognition of Italian telephone speech with mixture density hidden Markov model 10 (2) (1991) 105–115
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